

EHS Update for Safety Review Committee

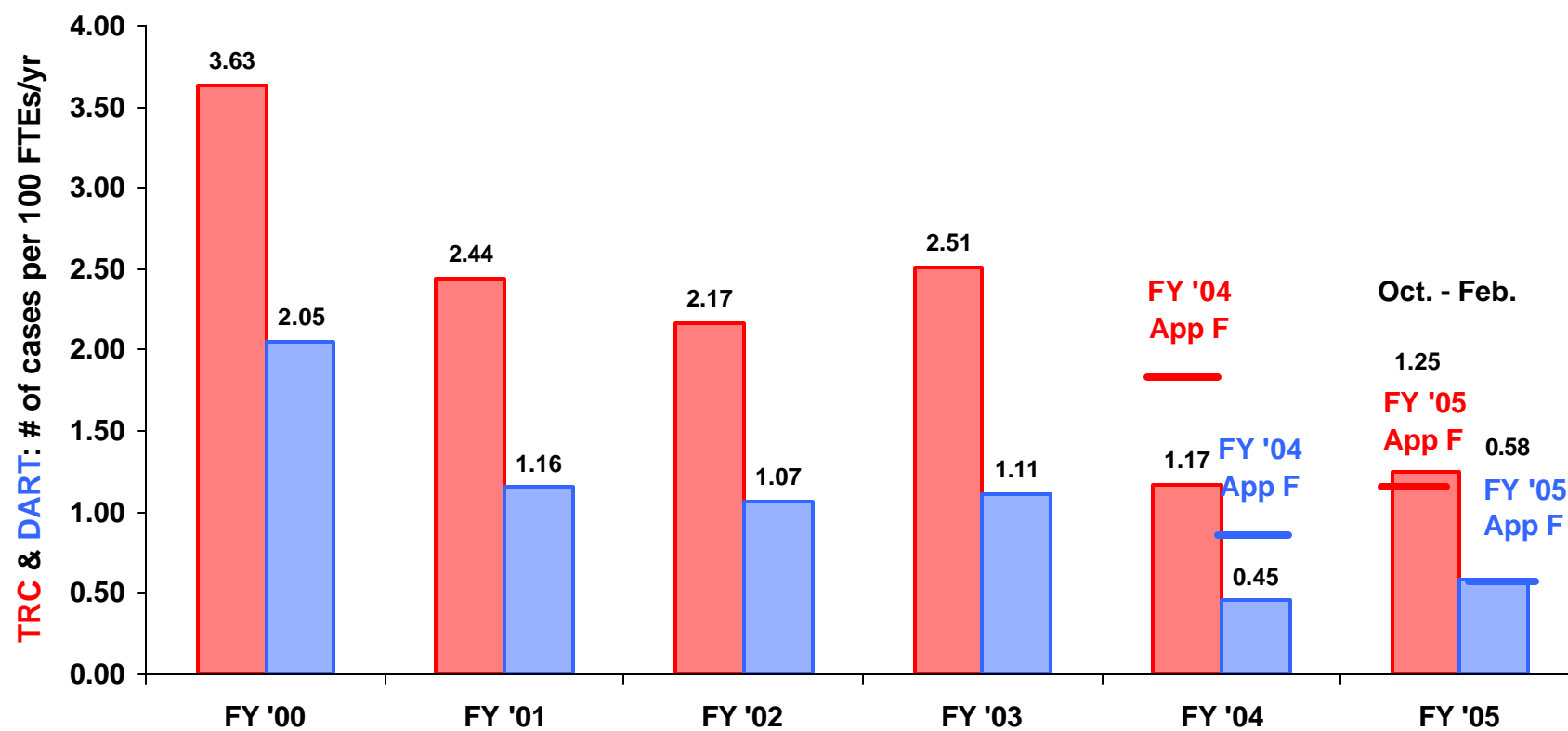
By Phyllis Pei

March 18, 2005

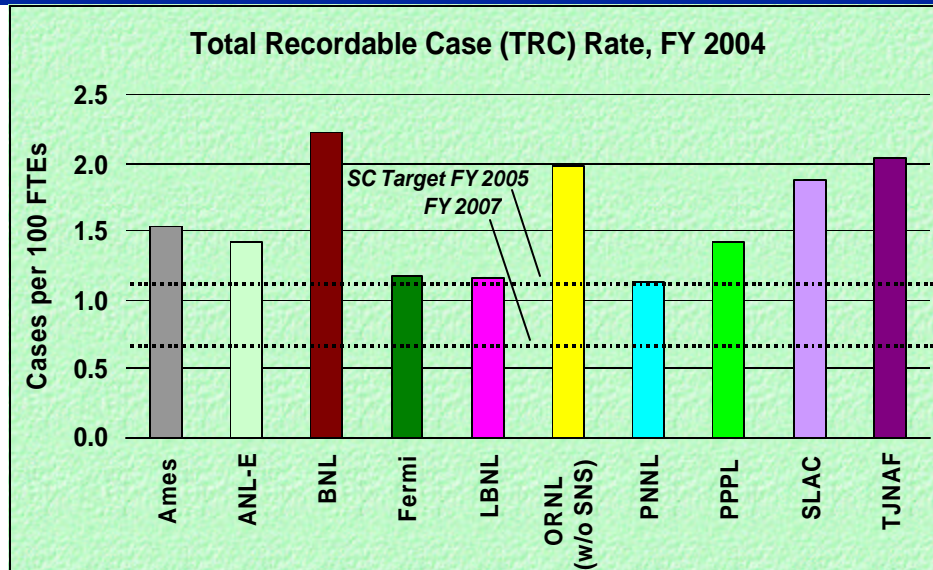
Lab has continuously improving safety record



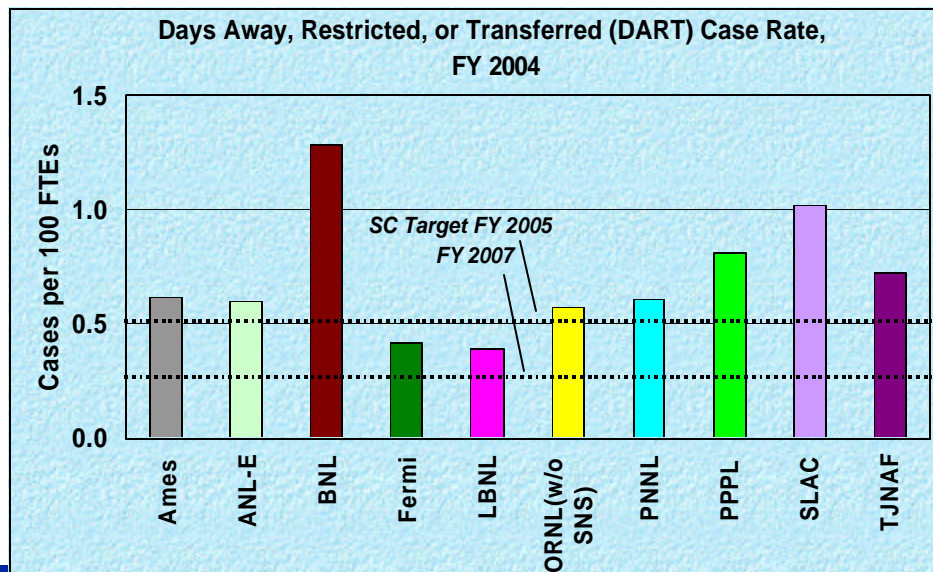
LBNL Total Recordable Case Rate (TRC) and Days Away, Restricted or Transferred Case Rate (DART) (Includes all construction & service contractors)



LBNL Leads SC Labs in Safety Performance

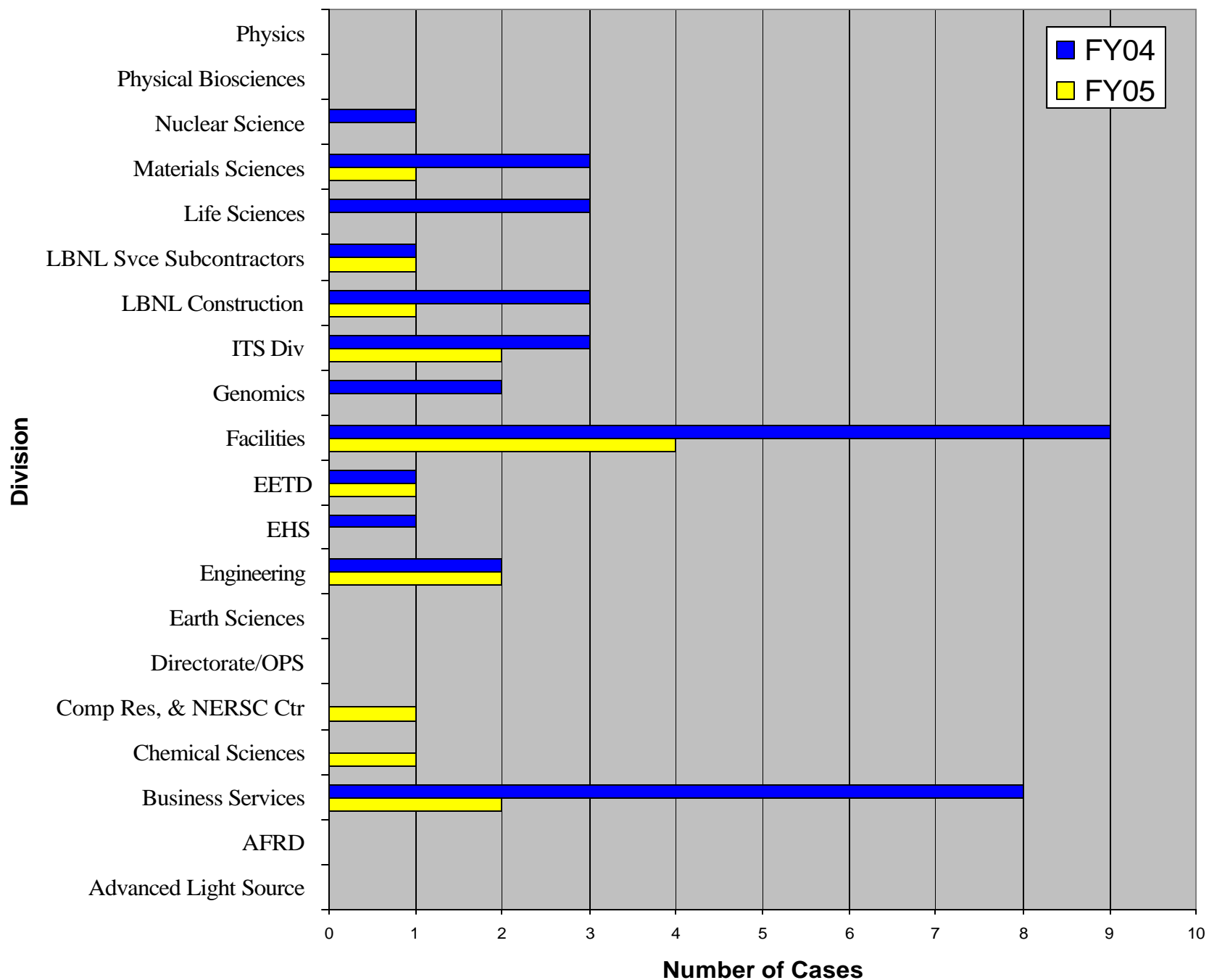


LBNL 2nd in Total Recordable Cases



LBNL Best in Days Away, Restricted, or Transferred

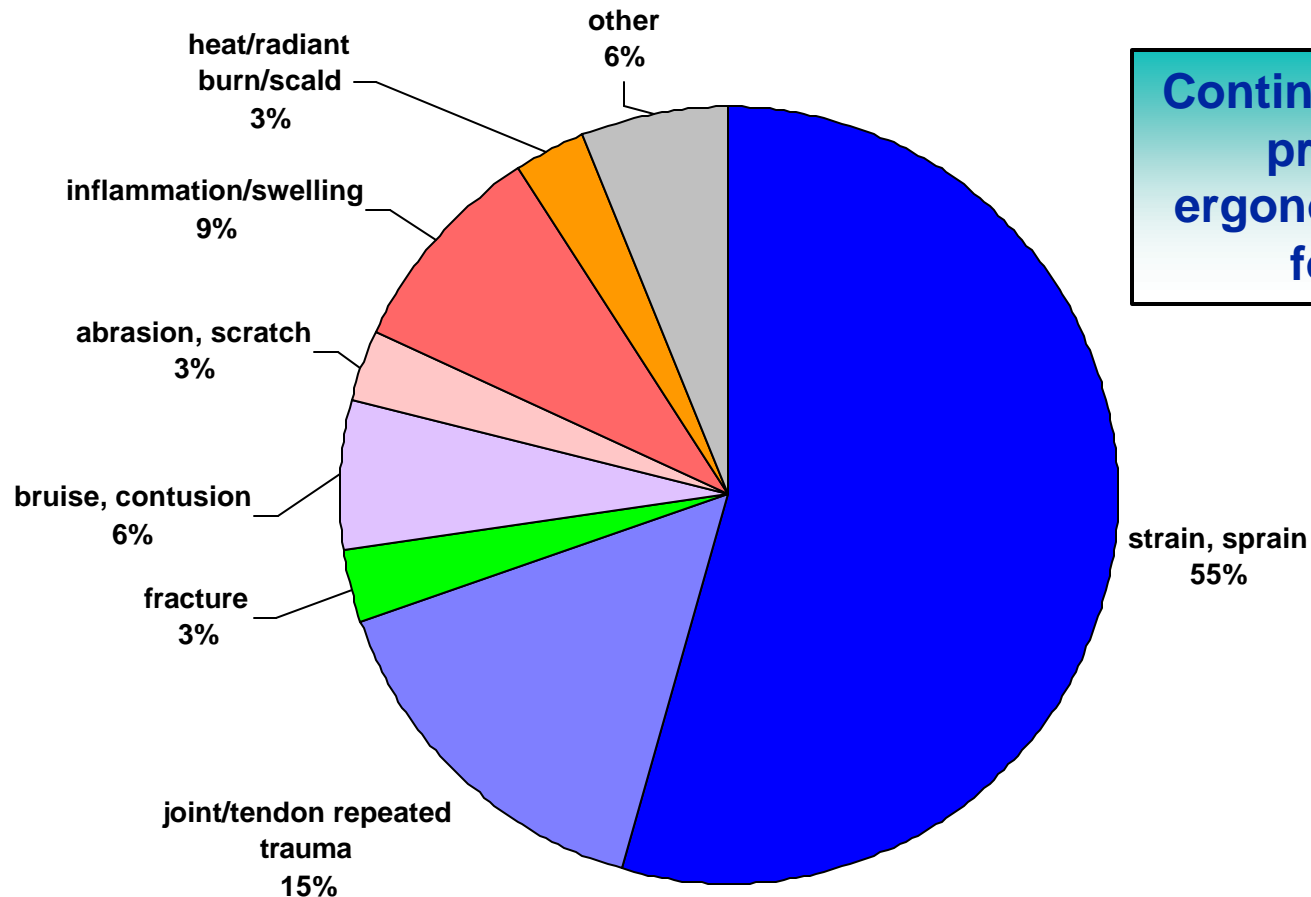
LBNL TRC FY04 Vs 05 (thru 3/14/05)



Ergonomic Injuries Dominate TRC



Nature of Injury or Illness - 33 Total Cases
Berkeley Lab Recordable Injuries 1/1/2004 - 12/31/2004

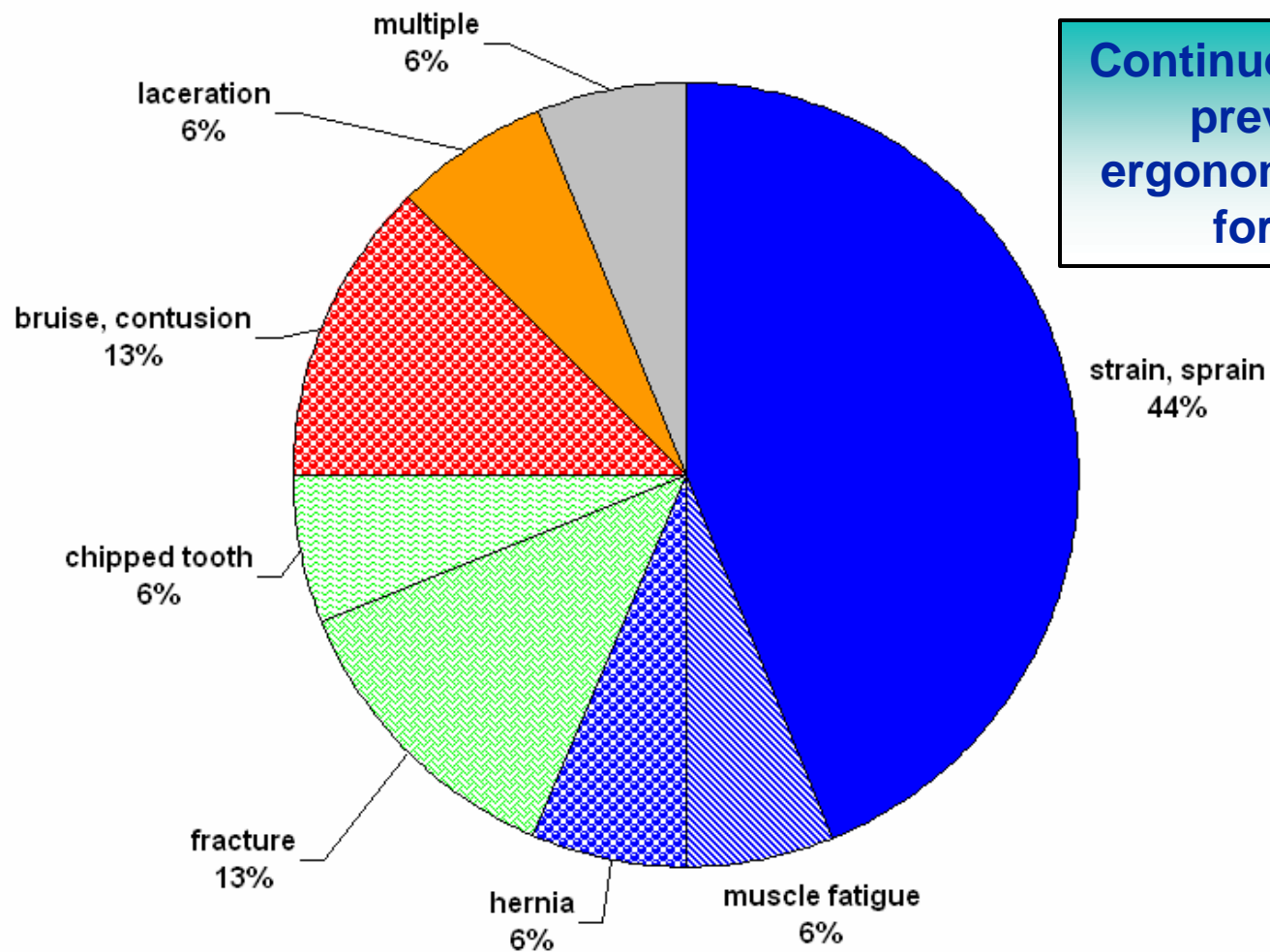


**Continued focus on
preventing
ergonomic injuries
for CY05**

Ergonomic Injuries Dominate TRC



Nature of Injury or Illness - 16 Total Cases
Berkeley Lab Recordable Injuries 10/1/2004 - 3/14/2005



**Continued focus on
preventing
ergonomic injuries
for CY05**

LBNL Ergonomics Improvements



- Current program is strong in computer workstation evaluations (~300 evaluations annually) and improving in material handling (process evaluations and new training course)
- Improvements will focus on specific injury causes
 - Targeted on-the-job training & coaching
 - Hiring intern to accelerate ergonomic evaluations
 - Improve the Ergonomics Database to provide better data on precursor events
 - Improve material handling training based on evaluation of lifting work
 - Improve supervisor awareness and involvement with new supervisor ergonomics awareness course
 - Expanding outreach for laboratory environments (e.g., microscope use and pipetting)

Take Home Message



- Remind everyone to take extra care in doing their work (e.g., hold onto hand rails)
- Keep a safe workplace (e.g., wipe up water spills)
- Take breaks from repetitive work
- Report aches and pains **EARLY!**
- We can provide focused group ergonomic coaching

Backup Slides

FY05-06 Ergonomics Program Objectives (revised: 3/1/2005)

	Objective	Description	Metric	Key Owner(s)
1. Customer (internal)/ Compliance	Ergonomic Injury Prevention	<ul style="list-style-type: none"> a) Develop laboratory based ergonomic assessment tool and pilot tool in laboratory setting. b) Train appropriate ergonomic assessors on use of laboratory assessment tool. c) Review and upgrade existing online ergonomic evaluation database. (Implement improvements in FY06 if budget approved) d) Improve ergonomic assessor performance by developing refresher training e) Provide more and more focused ergonomic injury information to supervisors to assist in ergonomic injury prevention f) Implement assessment and training programs to reduce sprains and strain-related work injuries arising from manual materials handling tasks. g) Provide ergonomic assessment and recommend mitigation action for the metal shop h) Offer a stress reduction message program 	<ul style="list-style-type: none"> a) Complete pilot and deliver report on findings (6/30/05) b) Complete training of designated ergonomic assessors on laboratory assessment tool (8/30/05) c) Assemble a workgroup [3/17/05] of ergo evaluators, division liaisons, safety coordinators and ISS programmer to review system, identify additional features and programming needs. Submit funding proposal for FY-06 Budget. [4/30/05]. d) Survey ergo evaluators, coordinators and liaisons for topical subjects. [4/15/05] e) Pilot a supervisors report on ergonomic injuries by quarter (5/1/05) f) Form work group to identify at-risk jobs and develop accident prevention program strategies for addressing manual materials handling injuries. [4/15/05] g) Complete ergonomic assessment and recommended mitigation actions for the metal shop (4/1/05) h) Establish a stress reduction message program onsite (5/15/05) 	<p>Jeffrey Chung Jeffrey Chung</p> <p>Jeffrey Chung/Ergo Evaluators/Esther Lam Jeffrey Chung</p> <p>Jeffrey Chung Edith Perry Jeffrey Chung</p> <p>Jeffrey Chung/Wendy Corr/Facilities DSC</p> <p>Jeffrey Chung Jeffrey Chung</p>
	Enhance Ergonomic Awareness	<ul style="list-style-type: none"> a) Provide web-based ergonomic awareness refresher program for general lab. population b) Periodically publish ergonomics-related safety articles in Today at Berkeley Lab to maintain heightened awareness. c) Conduct annual Ergonomics Fair to raise awareness and showcase state of the art ergonomic furniture and accessories. d) Provide routine communication on ergo injuries/trends and mitigation strategies to Lab community. 	<ul style="list-style-type: none"> a) Review commercially available "Painless Gains" CD for purchase (\$2,000 site license). [4/1/05] Roll-out for laboratory use with good communications (6/1/05) b) Draft ergonomics-related articles related to laptop use, general ergonomic safety guidance, etc. for TABL. [Completed 12/04] c) Plan and implement the annual LBNL Ergonomics Fair in August 2005. [6/30/05] d) Assemble a work group to establish a communication vehicle. [4/15/05] 	<p>Jeffrey Chuck/Ester Lam</p> <p>Jeffrey Chung</p> <p>Jeffrey Chung</p> <p>Jeffrey Chung</p>
2. People	Safety Training for Mentors and Students	<ul style="list-style-type: none"> a) Develop CSEE in-house capability to perform preventative ergonomic evaluations for incoming summer students and interns in the CSEE program. 	<ul style="list-style-type: none"> a) Train CSEE personnel to become ergonomic evaluators to proactively capture summer students and interns. [3/17/05] 	<p>Joe Crippen Jeffrey Chung</p>
3. Process	Improve Process Efficiencies	<ul style="list-style-type: none"> a) Establish a Graduate Student Research Assistant (GSRA) position to expand the Ergo program 	<ul style="list-style-type: none"> a) Hire GSRA [4/1/05]. 	<p>Jeffrey Chung Wade Crosson Richard DeBusk</p>
4. Customer (external)	Clarify UCB Role in Ergo Evals for LBNL employees within campus (Appendix I) Space.	<ul style="list-style-type: none"> a) Clarify roles, responsibilities and expectations between campus and LBNL for ergonomic support to LBNL employees in Appendix I Space. 	<ul style="list-style-type: none"> a) Meet with UC Berkeley Tang Center to review protocol for ergonomic evaluation requests and corrective actions. [3/23/05] 	<p>Jeffrey Chung Barbara Pottgen Richard DeBusk</p>

LBNL EHS Model



LBNL EHS Management Process



DOE Orders, Regulations, Certifications, Accreditations

EH&S Staff + EH&S Committees

Lab Policies/Procedures (PUB 3000 and RPM)
Division Procedures

LBNL Integrated Safety Management

Plan Work	LIAISONS COORDINATORS	ISM Plans
Analyze Hazards		Job Hazard Questionnaire, Work Authorizations
Hazards Controls		Engineering Controls Training Procedures
Perform Work		Monitoring
Feedback / Improvement		Safety Committees Near Miss + Accident

Assurance

DIV	EHS	SRC
Self Assessments	Integrated Fxn Appraisals	MESH Reviews

Scorecards / Metrics / Reports

Continuous Improvement

External Reg. Agencies / DOE / Peers /
Accred. Bodies Audits and Inspections